

COVID-19 Update December 17, 2020

As of **December 16, 2020, at 8:30 PM**, the total of laboratory-confirmed and probable COVID-19 cases reported among Connecticut residents is **160102**, including **150549** laboratory-confirmed and **9553** probable cases. **One thousand two hundred five** patients are currently hospitalized with laboratory-confirmed COVID-19. There have been **5552** COVID-19-associated deaths.

In Connecticut during the early months of this pandemic, it became increasingly clear that it would be necessary to track probable COVID-19 cases and deaths, in addition to laboratory-confirmed (molecular test) cases and deaths. This was needed to better measure the burden and impact of this disease in our communities and is now part of the [national surveillance case definition for COVID-19](#). Prior to June 1, probable and confirmed cases were reported together.

Overall Summary	Total*	Change Since Yesterday
COVID-19 Cases (confirmed and probable)	160102	+2321
COVID-19 Tests Reported (molecular and antigen)	3896941	+35948
Daily Test Positivity*		6.46%
Patients Currently Hospitalized with COVID-19	1205	-49
COVID-19-Associated Deaths	5552	+46

*Includes confirmed plus probable cases

COVID-19 Cases and Associated Deaths by County of Residence *as of 12/16/20 8:30pm.*

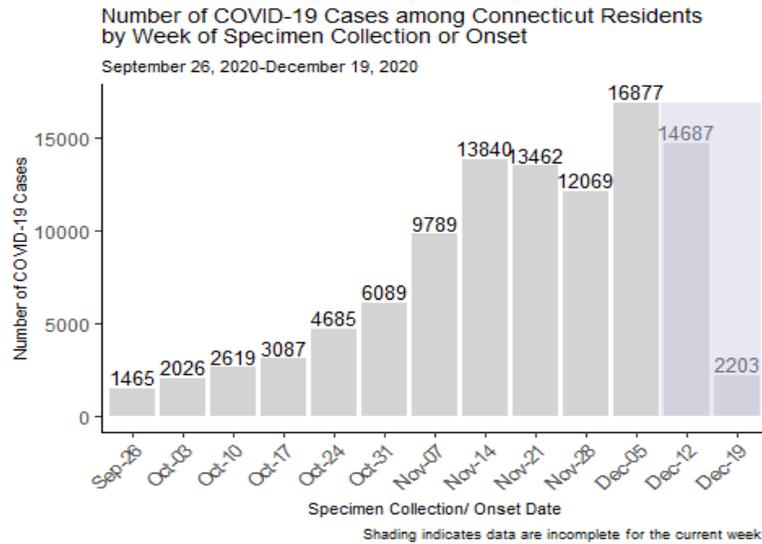
County	COVID-19 Cases		COVID-19-Associated Deaths	
	Confirmed	Probable	Confirmed	Probable
Fairfield County	46420	3616	1273	346
Hartford County	37958	1829	1381	347
Litchfield County	5962	423	176	26
Middlesex County	4998	265	179	47
New Haven County	38326	2820	1207	214
New London County	8522	194	150	57
Tolland County	3829	295	78	20
Windham County	3936	62	45	6
Pending address validation	598	49	0	0
Total	150549	9553	4489	1063

[National COVID-19 statistics](#) and information about [preventing spread of COVID-19](#) are available from the Centers for Disease Control and Prevention.

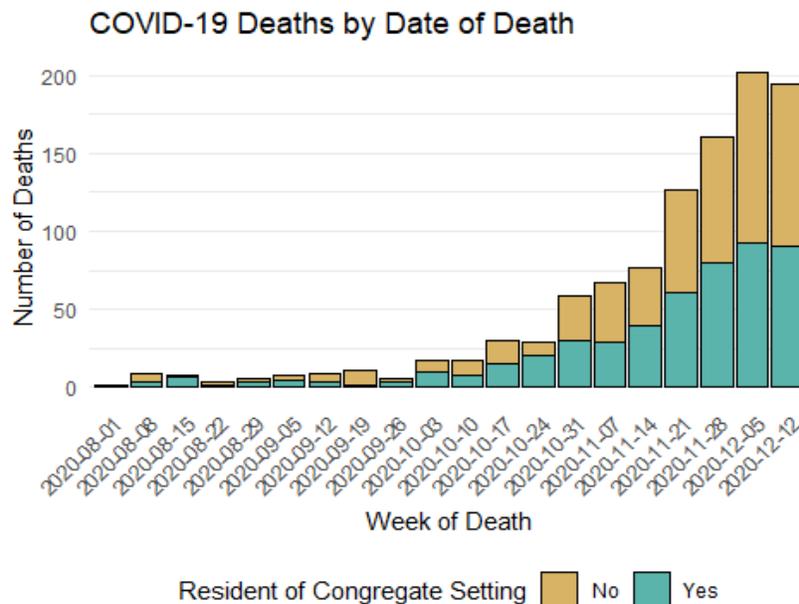
Day-to-day changes reflect newly reported cases, deaths, and tests that occurred over the last several days to week. All data in this report are preliminary; data for previous dates will be updated as new reports are received and data errors are corrected. Hospitalization data were collected by the Connecticut Hospital Association. Deaths reported to either OCME or DPH are included in the daily COVID-19 update.

COVID-19 Cases and Deaths Over Time

The chart below shows the number of new COVID-19 cases reported to CT DPH by week of specimen collection or onset of illness. Case data now includes probable cases based on positive antigen test results. During the past two weeks (November 29-December 12), there were 31,564 new COVID-19 cases, including cases among people residing in the community and congregate settings, such as nursing homes, managed residential communities, and correctional facilities.



The graph below shows the number of COVID-19 associated deaths since August 1st by week of death and whether the person was residing in a congregate setting, such as a nursing home, managed residential community, or correctional facility.

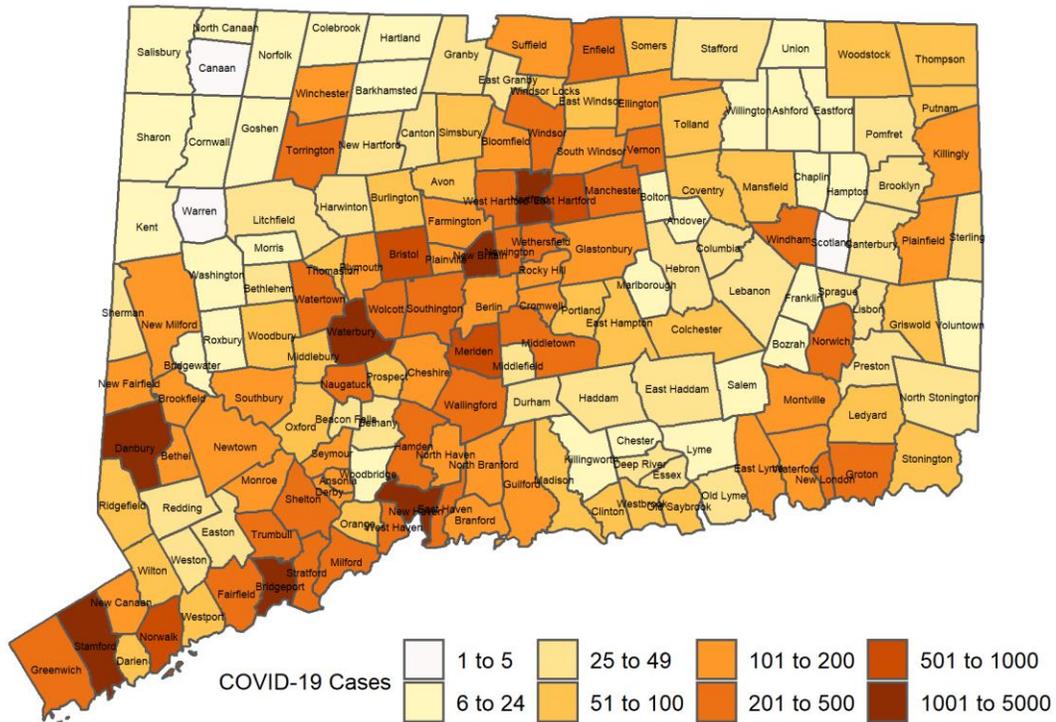


Community Transmission of COVID-19

Among 31,564 new COVID-19 cases with specimen collection or onset date during November 29-December 12, there were 30,694 cases among people living in community settings, as shown in the map below. This corresponds to an average of 61.37 new COVID-19 cases per day per 100,000 population. Cases among people residing in nursing homes, assisted living facilities, and correctional facilities are excluded. Darker colors indicate towns with more cases.

During this two-week period, there were more than 100 new COVID-19 cases in 72 towns.

Number of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date During November 29-December 12

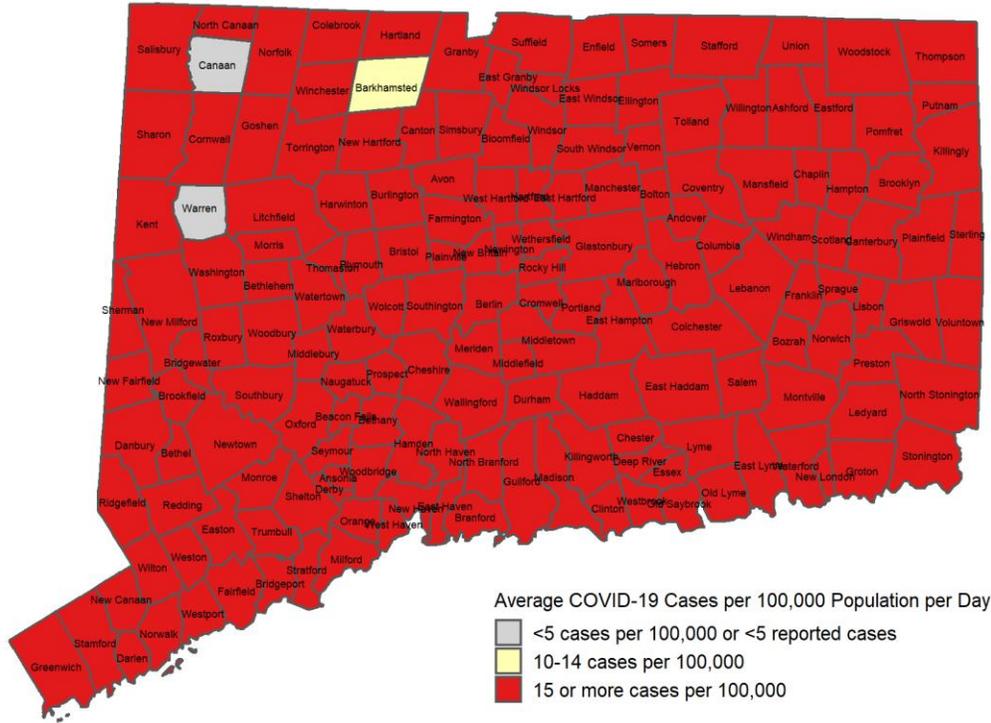


Map does not include 271 cases pending address validation

Because towns with larger populations are likely to have more cases, it is also important to look at the number of new cases per 100,000 population. The next map below shows the average number of new cases per 100,000 population per day, with darker colors indicating higher rates. Cases among people residing in nursing homes, assisted living facilities, and correctional facilities are excluded.

Among towns with at least 5 new cases during November 29-December 12, 166 towns had an average rate of 15 or more cases per 100,000 population per day, shown in red in the map below.

Average Daily Rate of COVID-19 Cases among People Living in Community Settings per 100,000 Population by Town with Specimen Collection or Onset Date During November 29-December 12



Map does not include 271 cases pending address validation

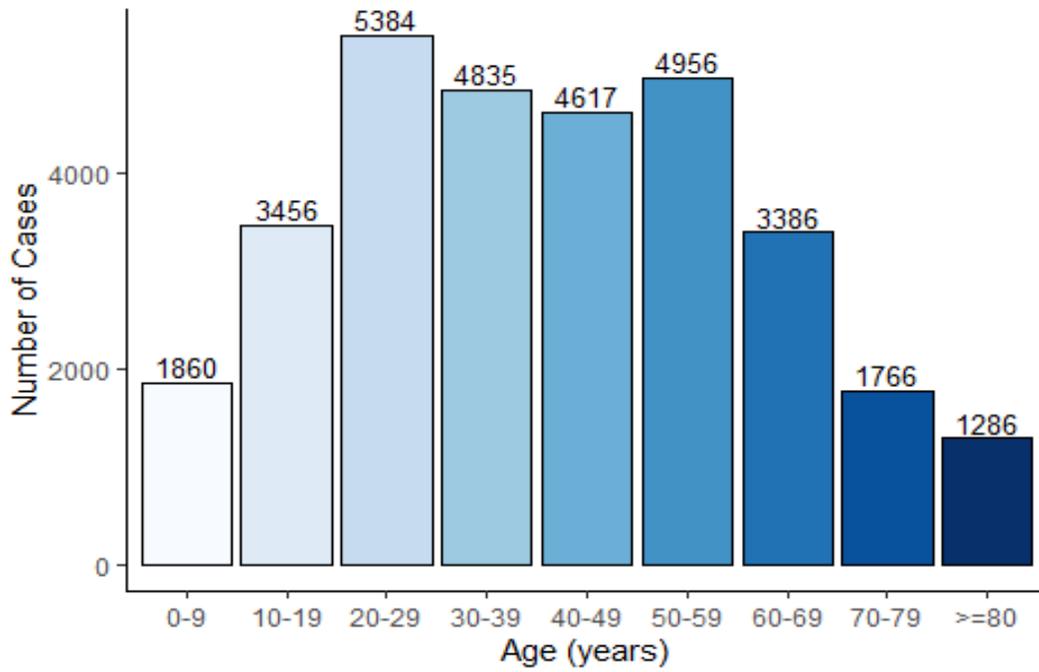
Population, Number and Average Daily Rate of COVID-19 Cases among People Living in Community Settings by Town with Specimen Collection or Onset Date during November 29-December 12, 2020

Map does not include 271 cases pending address validation

Town	Population	Cases	Rate	Town	Population	Cases	Rate	Town	Population	Cases	Rate
Andover	3231	22	48.6	Griswold	11591	64	39.4	Prospect	9790	98	71.5
Ansonia	18721	187	71.3	Groton	38692	229	42.3	Putnam	9395	68	51.7
Ashford	4261	11	18.4	Guilford	22216	115	37.0	Redding	9125	34	26.6
Avon	18302	51	19.9	Haddam	8222	49	42.6	Ridgefield	25008	96	27.4
Barkhamsted	3624	7	13.8	Hamden	60940	409	47.9	Rocky Hill	20145	140	49.6
Beacon Falls	6182	40	46.2	Hampton	1853	21	80.9	Roxbury	2160	9	29.8
Berlin	20432	165	57.7	Hartford	122587	1765	102.8	Salem	4123	20	34.6
Bethany	5479	42	54.8	Hartland	2120	11	37.1	Salisbury	3598	12	23.8
Bethel	19714	194	70.3	Harwinton	5430	33	43.4	Scotland	1685	5	21.2
Bethlehem	3422	28	58.4	Hebron	9482	47	35.4	Seymour	16509	105	45.4
Bloomfield	21301	182	61.0	Kent	2785	14	35.9	Sharon	2703	8	21.1
Bolton	4890	23	33.6	Killingly	17287	150	62.0	Shelton	41097	292	50.8
Bozrah	2537	18	50.7	Killingworth	6370	23	25.8	Sherman	3614	26	51.4
Branford	28005	177	45.1	Lebanon	7207	39	38.7	Simsbury	24979	86	24.6
Bridgeport	144900	1515	74.7	Ledyard	14736	97	47.0	Somers	10834	65	42.9
Bridgewater	1641	10	43.5	Lisbon	4248	31	52.1	South Windsor	26054	152	41.7
Bristol	60032	577	68.7	Litchfield	8127	28	24.6	Southbury	19656	137	49.8
Brookfield	17002	175	73.5	Lyme	2338	11	33.6	Southington	43807	393	64.1
Brooklyn	8280	50	43.1	Madison	18106	84	33.1	Sprague	2889	29	71.7
Burlington	9665	56	41.4	Manchester	57699	498	61.6	Stafford	11884	40	24
Canaan	1055	2	13.5	Mansfield	25817	62	17.2	Stamford	129775	1440	79.3
Canterbury	5100	35	49.0	Marlborough	6358	22	24.7	Sterling	3780	31	58.6
Canton	10270	33	23.0	Meriden	59540	831	99.7	Stonington	18449	93	36
Chaplin	2256	9	28.5	Middlebury	7731	93	85.9	Stratford	51967	380	52.2
Cheshire	29179	172	42.1	Middlefield	4380	27	44.0	Suffield	15743	108	49
Chester	4229	17	28.7	Middletown	46146	336	52.0	Thomaston	7560	87	82.2
Clinton	12950	80	44.1	Milford	54661	335	43.8	Thompson	9395	70	53.2
Colchester	15936	96	43.0	Monroe	19470	112	41.1	Tolland	14655	92	44.8
Colebrook	1405	8	40.7	Montville	18716	120	45.8	Torrington	34228	273	57
Columbia	5385	40	53.1	Morris	2262	25	78.9	Trumbull	35802	236	47.1
Cornwall	1368	6	31.3	Naugatuck	31288	338	77.2	Union	840	7	59.5
Coventry	12414	54	31.1	New Britain	72453	1031	101.6	Vernon	29303	202	49.2
Cromwell	13905	123	63.2	New Canaan	20213	107	37.8	Voluntown	2535	15	42.3
Danbury	84730	1300	109.6	New Fairfield	13877	123	63.3	Wallingford	44535	415	66.6
Darien	21753	71	23.3	New Hartford	6685	34	36.3	Warren	1399	1	5.1
Deep River	4463	43	68.8	New Haven	130418	1061	58.1	Washington	3434	14	29.1
Derby	12515	107	61.1	New London	26939	244	64.7	Waterbury	108093	1745	115.3
Durham	7195	44	43.7	New Milford	26974	159	42.1	Waterford	18887	143	54.1
East Granby	5147	30	41.6	Newington	30112	248	58.8	Watertown	21641	316	104.3
East Haddam	8988	38	30.2	Newtown	27774	143	36.8	West Hartford	62939	420	47.7
East Hampton	12854	77	42.8	Norfolk	1640	9	39.2	West Haven	54879	403	52.5
East Hartford	49998	764	109.1	North Branford	14158	104	52.5	Westbrook	6914	57	58.9
East Haven	28699	242	60.2	North Canaan	3254	22	48.3	Weston	10247	42	29.3
East Lyme	18645	107	41.0	North Haven	23691	186	56.1	Westport	28115	100	25.4
East Windsor	11375	80	50.2	North Stonington	5243	36	49.0	Wethersfield	26082	341	93.4
Eastford	1790	11	43.9	Norwalk	89047	919	73.7	Willington	5887	20	24.3
Easton	7517	30	28.5	Norwich	39136	337	61.5	Wilton	18397	64	24.8
Ellington	16299	132	57.8	Old Lyme	7366	34	33.0	Winchester	10655	108	72.4
Enfield	44466	327	52.5	Old Saybrook	10087	84	59.5	Windham	24706	388	112.2
Essex	6674	42	45.0	Orange	13949	82	42.0	Windsor	28760	256	63.6
Fairfield	61952	359	41.4	Oxford	13226	90	48.6	Windsor Locks	12876	81	44.9
Farmington	25506	123	34.4	Plainfield	15173	117	55.1	Wolcott	16649	204	87.5
Franklin	1933	19	70.2	Plainville	17623	159	64.4	Woodbridge	8805	23	18.7
Glastonbury	34491	175	36.2	Plymouth	11645	113	69.3	Woodbury	9537	84	62.9
Goshen	2879	19	47.1	Pomfret	4204	28	47.6	Woodstock	7862	56	50.9
Granby	11375	37	23.2	Portland	9305	60	46.1				
Greenwich	62727	324	36.9	Preston	4638	39	60.1				

Age Distribution of COVID-19 Cases with Specimen Collection or Onset During November 29-December 12, 2020

Number of New COVID-19 Cases by Age Group with Collection or Onset During November 29 – December 12

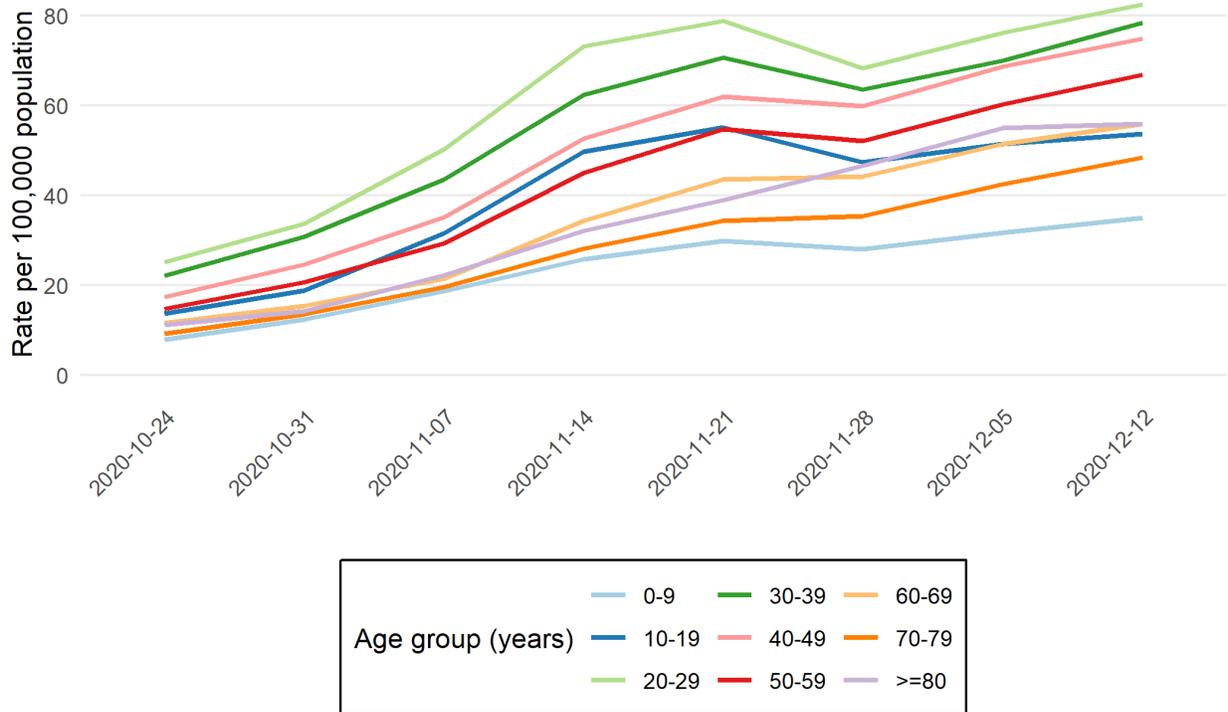


Average Daily Incidence by Age Group

The chart below shows the average number of new COVID-19 cases per day per 100,000 population by age group. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual population in each age group, and then multiplying by 100,000.

Average Daily Rate of COVID-19 Cases by Age Group

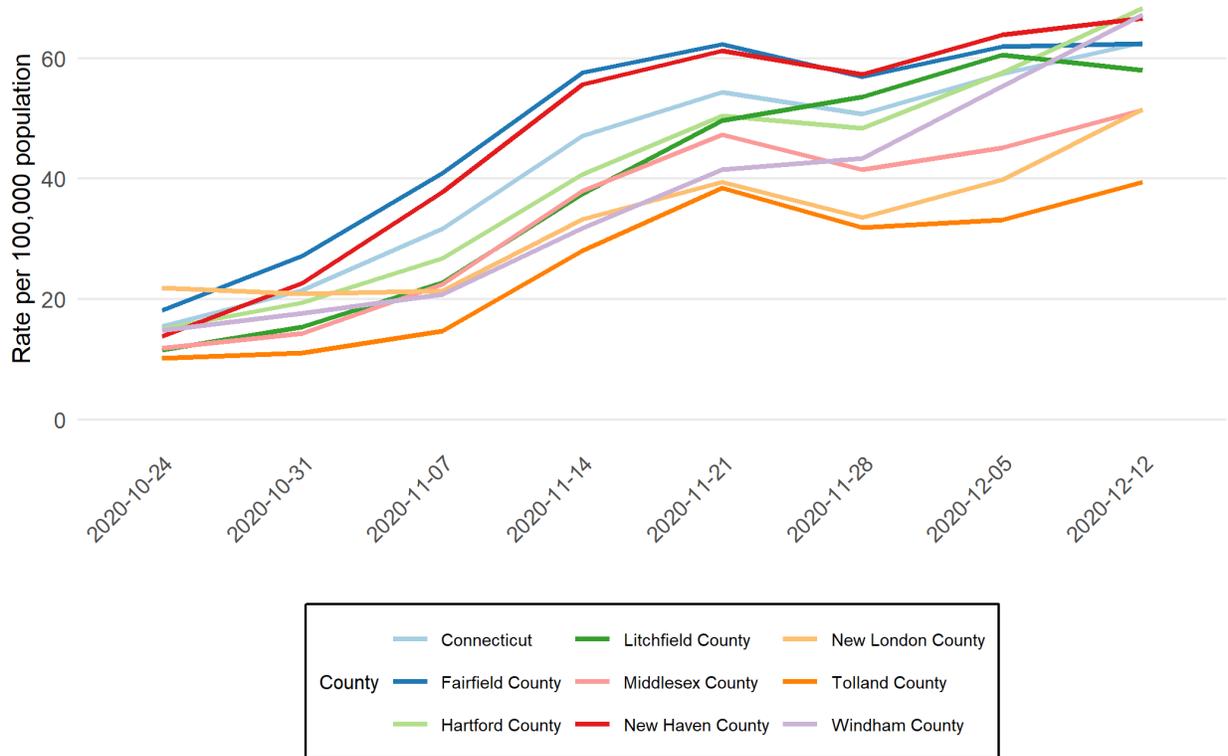
As of 12/16/2020 at 8:30PM



Average Daily Incidence by County

The chart below shows the average number of new COVID-19 cases per day per 100,000 population in the state of Connecticut and for each Connecticut county. The rates in this chart are calculated by averaging the number of new cases diagnosed each day during the previous two weeks, dividing by the annual estimated population, and then multiplying by 100,000.

Average daily rates of COVID-19 cases by county
As of 12/16/2020 at 8:30PM

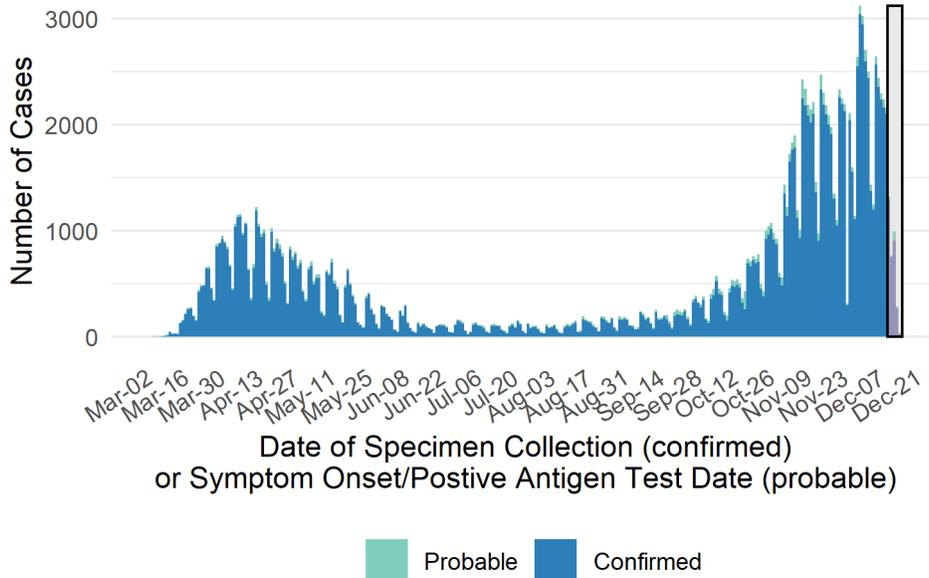


Cumulative Number of COVID-19 Cases and COVID-19-Associated Deaths by Date

Test results may be reported several days after the result. Data are incomplete for most recent dates shaded in grey. Data from previous dates are routinely updated.

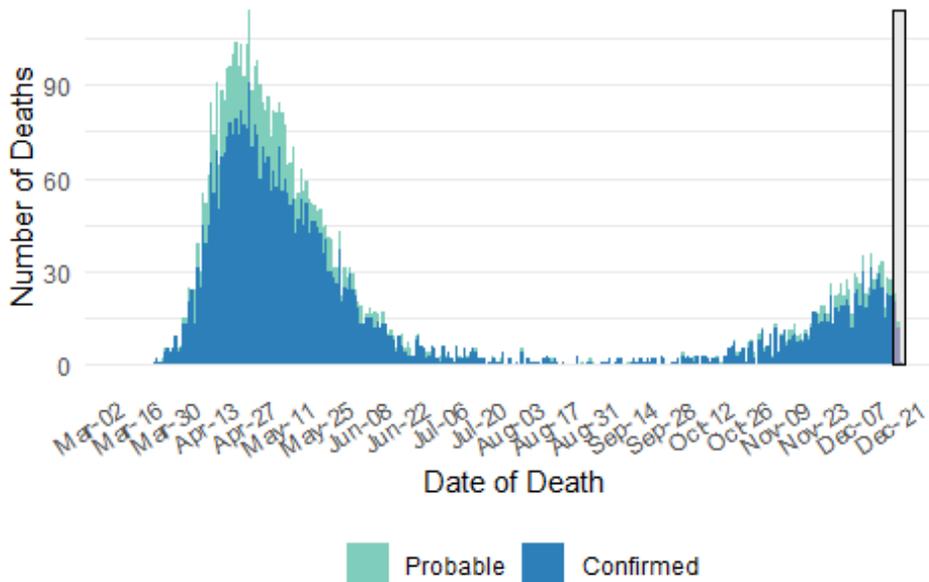
Number of Confirmed and Probable COVID-19 Cases by Date

As of 12/16/2020 at 8:30pm



Number of COVID-19-Associated Deaths by Date of Death

As of 12/16/2020 at 8:30pm

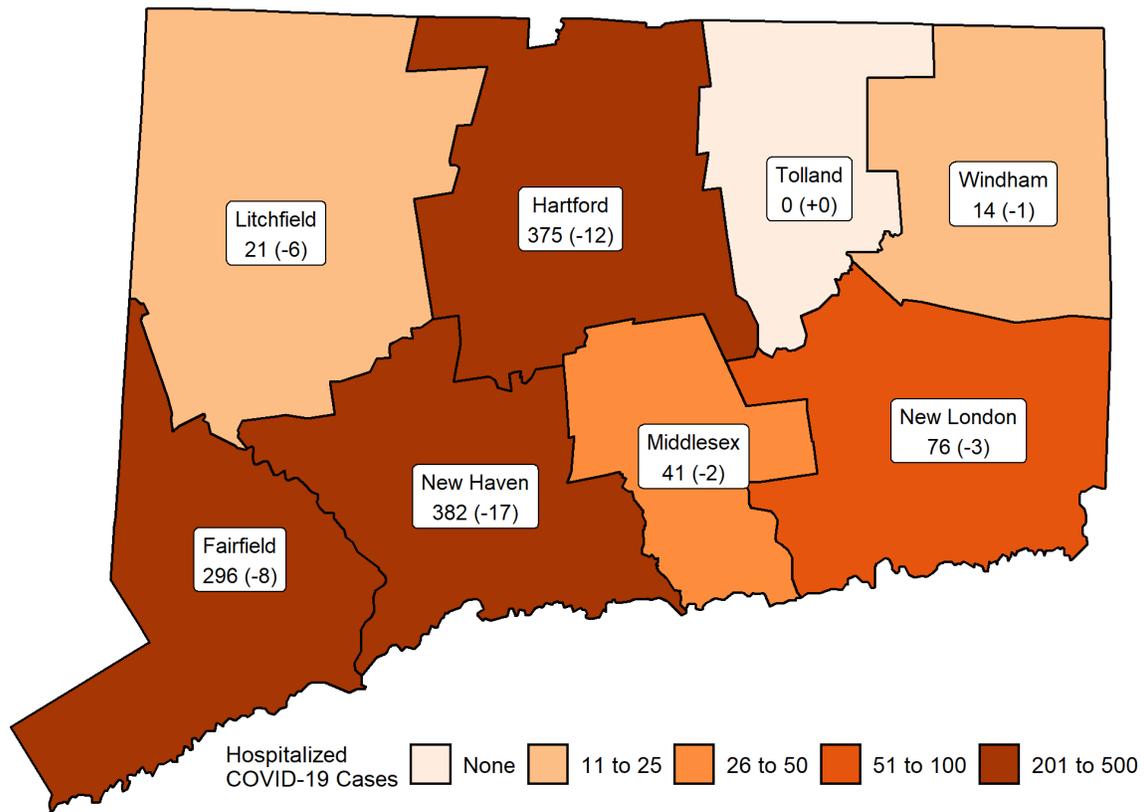


Hospitalization Surveillance

The map below shows the number of patients currently hospitalized with laboratory-confirmed COVID-19 by county based on data collected by the Connecticut Hospital Association. The distribution is by location of hospital, not patient residence. The labels indicate the number of patients currently hospitalized with the change since yesterday in parentheses.

Patients Currently Hospitalized by Connecticut County

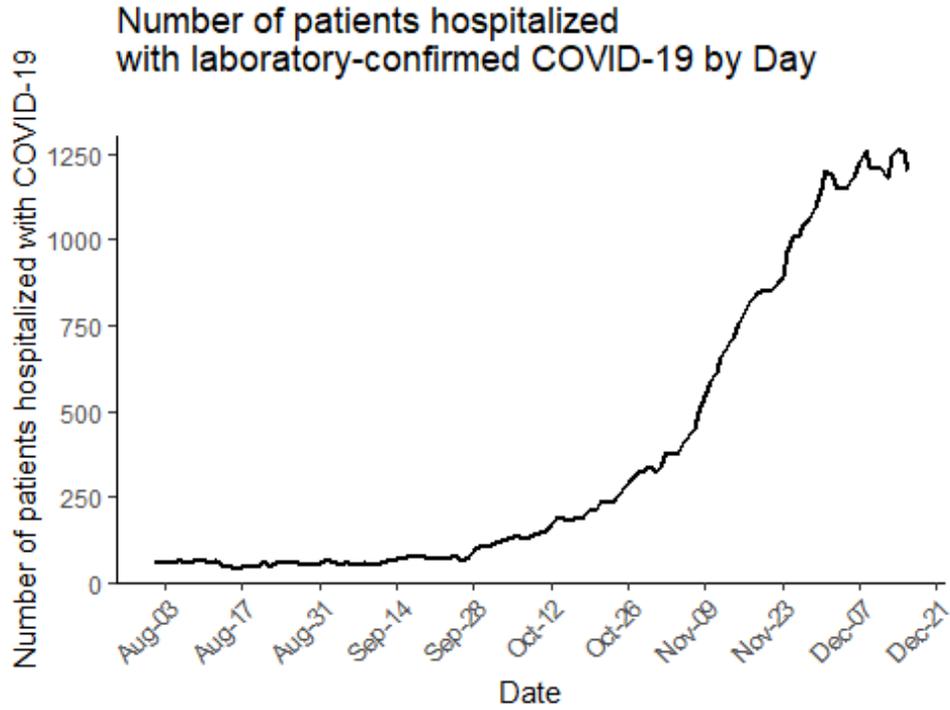
Distribution by location of hospital not patient residence. Data from the Connecticut Hospital Association.



More information about hospitalized cases of COVID-19 in New Haven and Middlesex Counties is available from [COVID-NET](#).

COVID-19 Hospital Census in Connecticut

The chart below shows the COVID-19 hospital census, which is the number of patients currently hospitalized with laboratory-confirmed COVID-19 on each day. Data were collected by the Connecticut Hospital Association and are shown since August 1, 2020



Weekly hospitalizations by age group in New Haven and Middlesex Counties

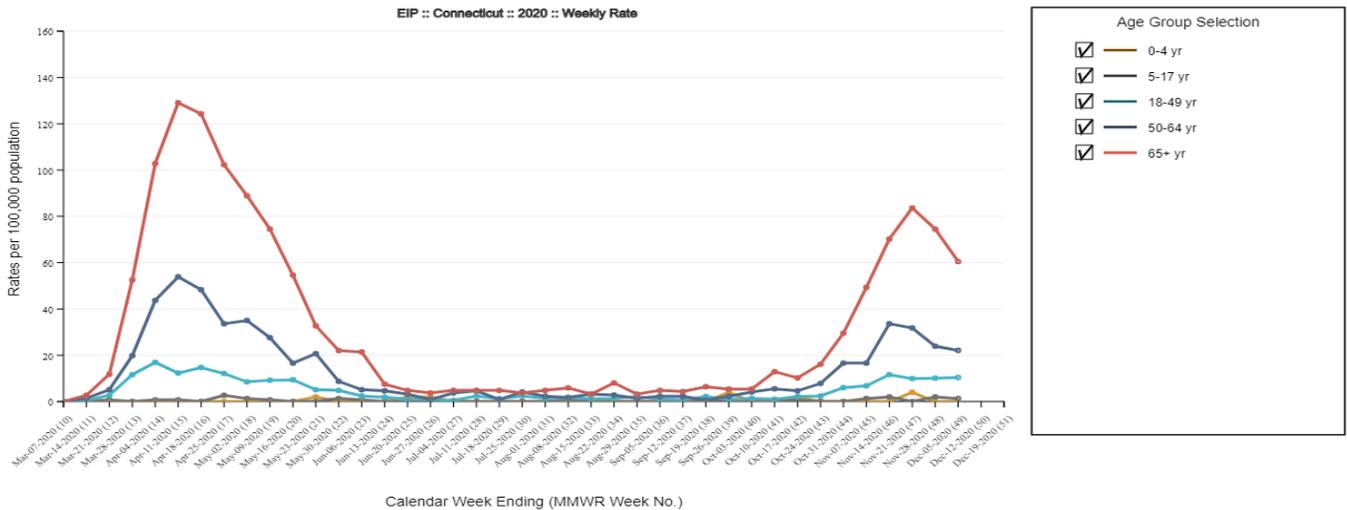
The chart below shows the weekly rate of laboratory-confirmed COVID-19-associated hospitalizations by age group for residents of New Haven and Middlesex Counties.

These data were collected by COVID-NET, the COVID-19-Associated Hospitalization Surveillance Network. Connecticut is one of 14 states that participate in COVID-NET, which conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations. In Connecticut, COVID-NET surveillance covers residents of New Haven and Middlesex Counties, a population of approximately 1 million. These data are collected in partnership with CDC and other surveillance sites.

COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated.



Laboratory-Confirmed COVID-19-Associated Hospitalizations Preliminary weekly rates as of Dec 05, 2020

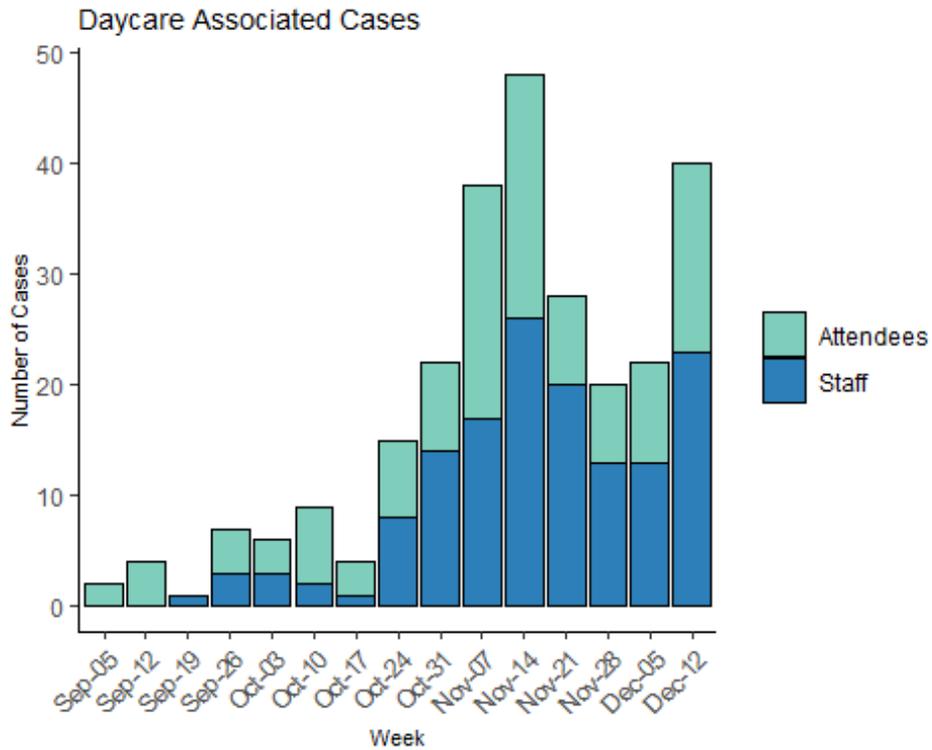


The Coronavirus Disease 2019 (COVID-19)-Associated Hospitalization Surveillance Network (COVID-NET) conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations in children (persons younger than 18 years) and adults. The current network covers nearly 100 counties in the 10 Emerging Infections Program (EIP) states (CA, CO, CT, GA, MD, MN, NM, NY, OR, and TN) and four additional states through the Influenza Hospitalization Surveillance Project (IA, MI, OH, and UT). The network represents approximately 10% of US population (~32 million people). Cases are identified by reviewing hospital, laboratory, and admission databases and infection control logs for patients hospitalized with a documented positive SARS-CoV-2 test. Data gathered are used to estimate age-specific hospitalization rates on a weekly basis and describe characteristics of persons hospitalized with COVID-19. Laboratory confirmation is dependent on clinician-ordered SARS-CoV-2 testing. Therefore, the unadjusted rates provided are likely to be underestimated as COVID-19-associated hospitalizations can be missed due to test availability and provider or facility testing practices. COVID-NET hospitalization data are preliminary and subject to change as more data become available. In particular, case counts and rates for recent hospital admissions are subject to lag. As data are received each week, prior case counts and rates are updated accordingly. All incidence rates are unadjusted. Please use the following citation when referencing these data: "COVID-NET. COVID-19-Associated Hospitalization Surveillance Network, Centers for Disease Control and Prevention. WEBSITE. Accessed on DATE".

More information can be found on the CDC website: <https://www.cdc.gov/coronavirus/2019-ncov/covid-data/covid-net/purpose-methods.html>.

Daycare Surveillance

Licensed daycare providers are required to report cases of COVID-19 among attendees and staff to the Department of Public Health (DPH) and the local health department. This figure shows the number of cases among daycare attendees and staff reported to DPH since September 1, 2020. Data are preliminary and like other passive surveillance systems, under reporting occurs and the true incidence of disease is more than the number of cases reported.

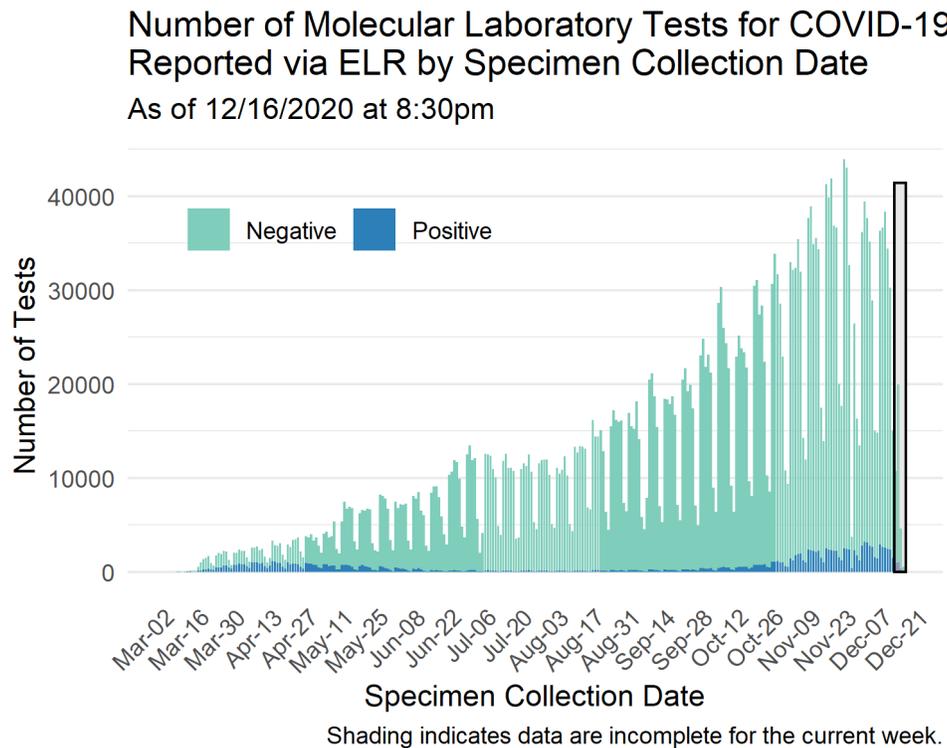


Laboratory Surveillance

Molecular Tests

To date, DPH has received reports on a total of 3800376 molecular COVID-19 laboratory tests; of these 3433801 test results were received via electronic laboratory reporting (ELR) methods from commercial laboratories, hospital laboratories, and the Dr. Katherine A. Kelley State Public Health Laboratory. The chart below shows the number of tests reported via ELR by date of specimen collection and test result.

Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.



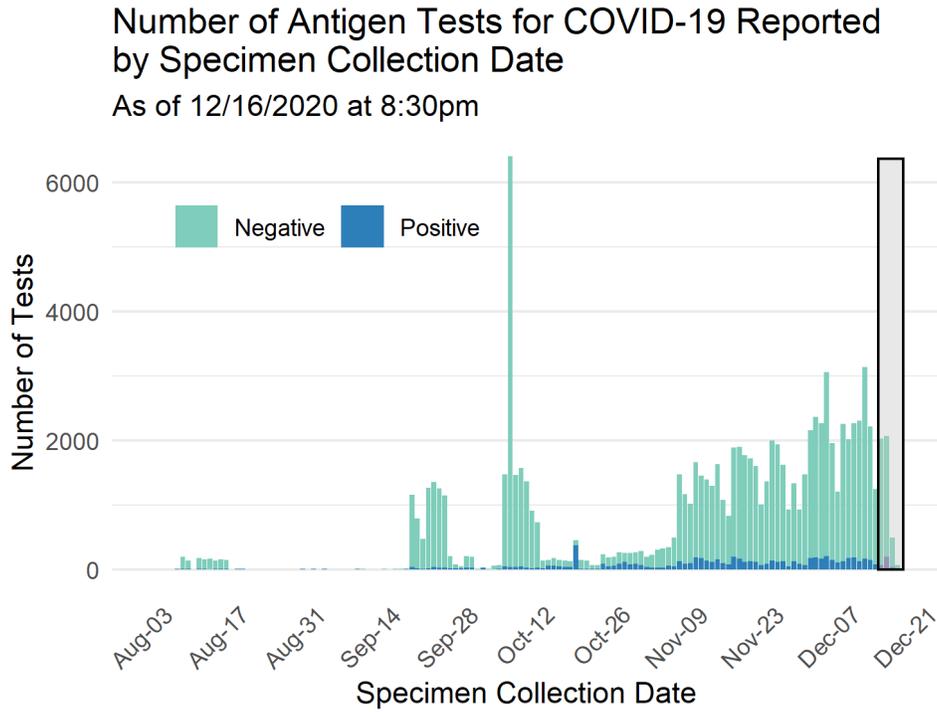
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing. Chart only includes test results received by electronic laboratory reporting.

ELR = Electronic Laboratory Reporting

Antigen Tests

To date, DPH has received reports on a total of 96565 COVID-19 antigen laboratory tests. The chart below shows the number of antigen tests reported to DPH by specimen collection date and test result.

Test results may be reported several days after specimen collection. Data are incomplete for most recent dates shaded in grey. Data for previous dates are routinely updated.

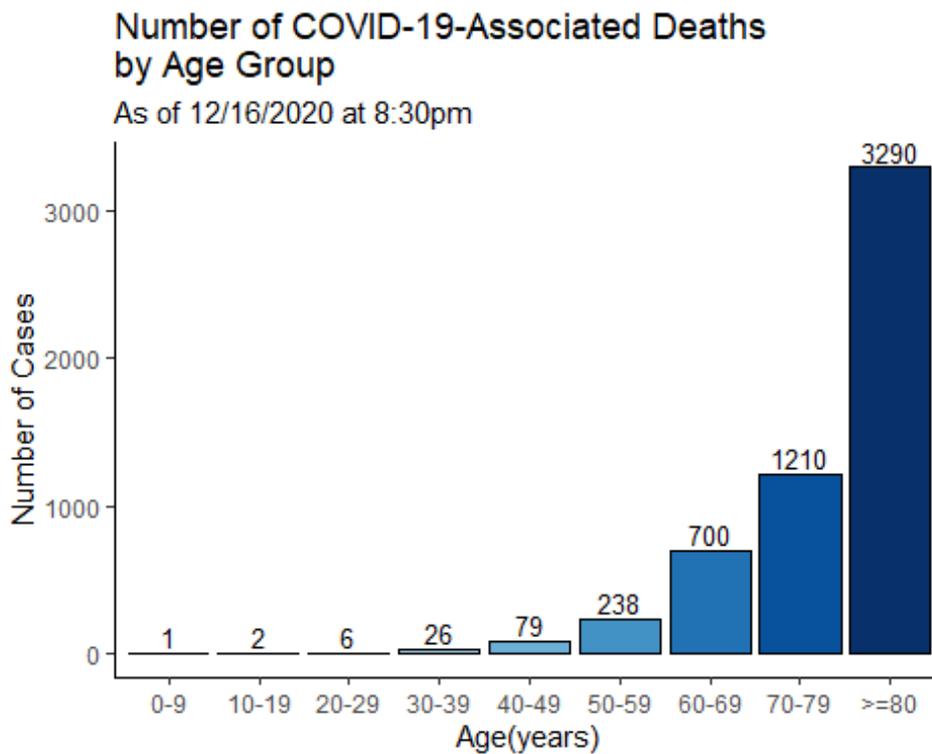
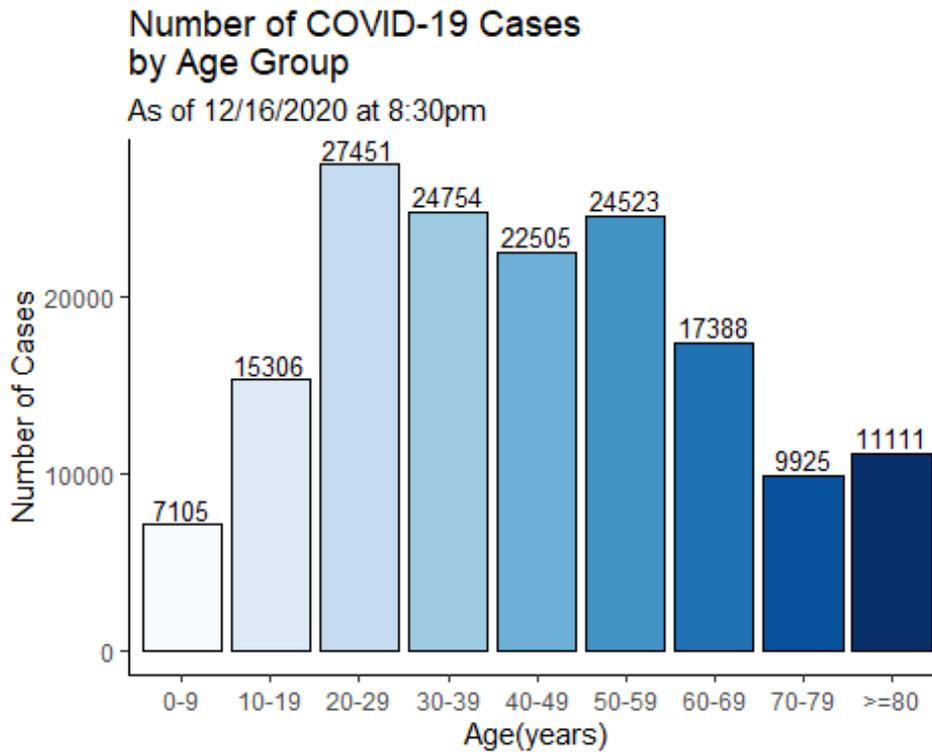


Shading indicates data are incomplete for the current week.

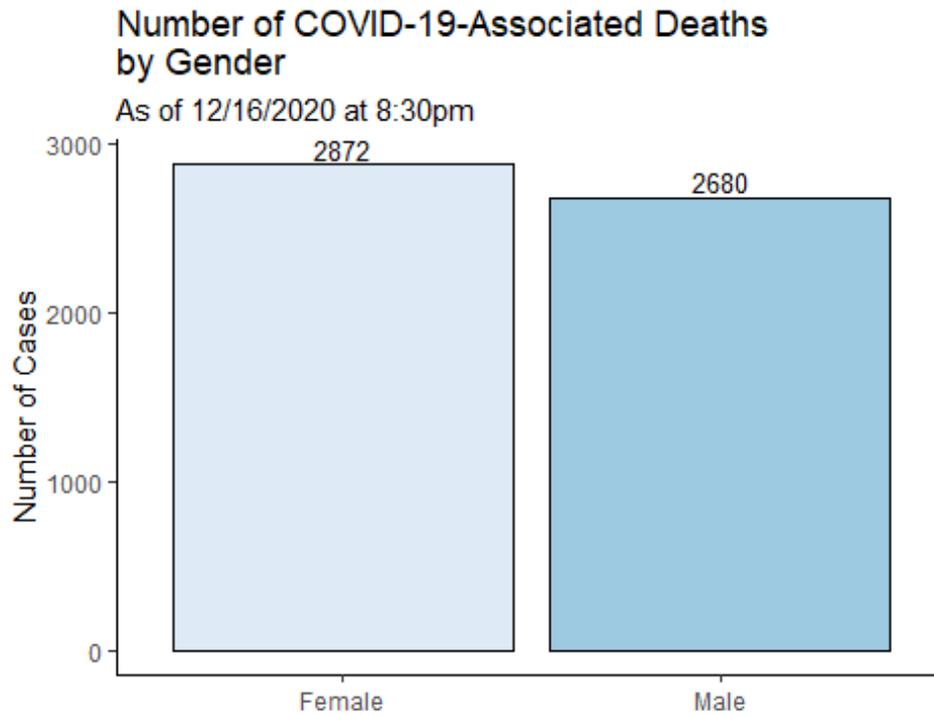
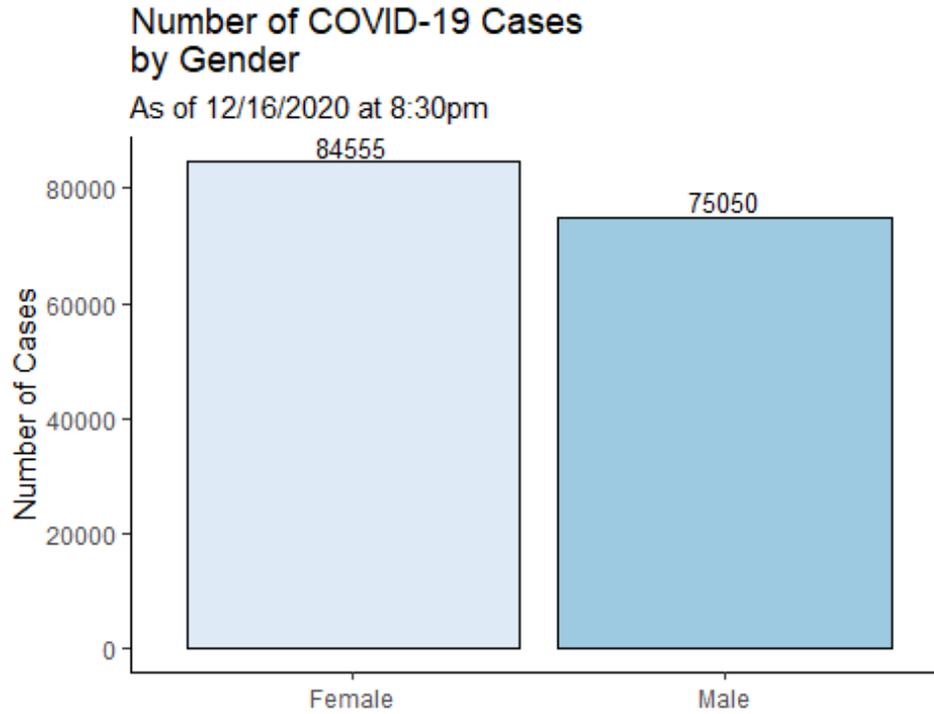
Testing of recently collected specimens is ongoing and does not reflect a decrease in testing.

Characteristics of COVID-19 Cases and Associated Deaths

Counts may not add up to total case count because demographic data may be missing.

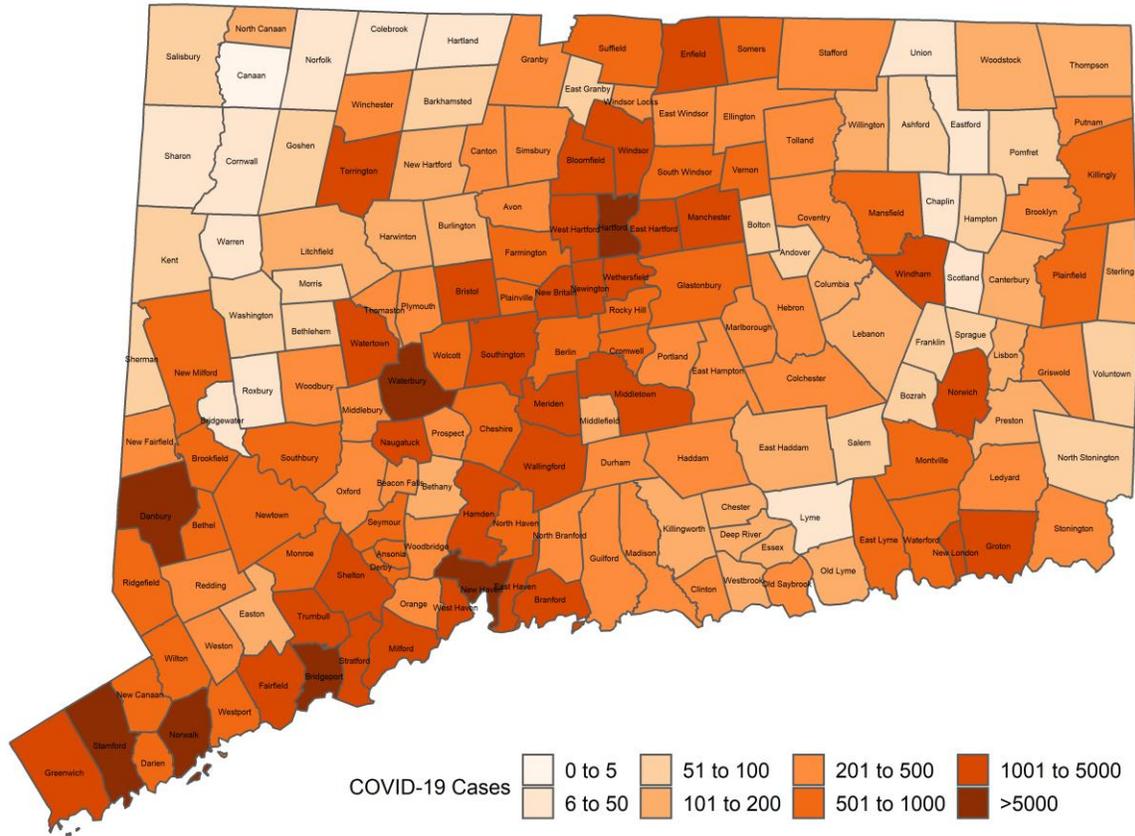


Counts may not add up to total case count because demographic data may be missing.



Cumulative Number of COVID-19 Cases by Town

Map does not include 647 cases pending address validation



All data are preliminary and subject to change. Last updated 12-17-2020.

APPENDIX A. Cumulative Number of COVID-19 Cases by Town

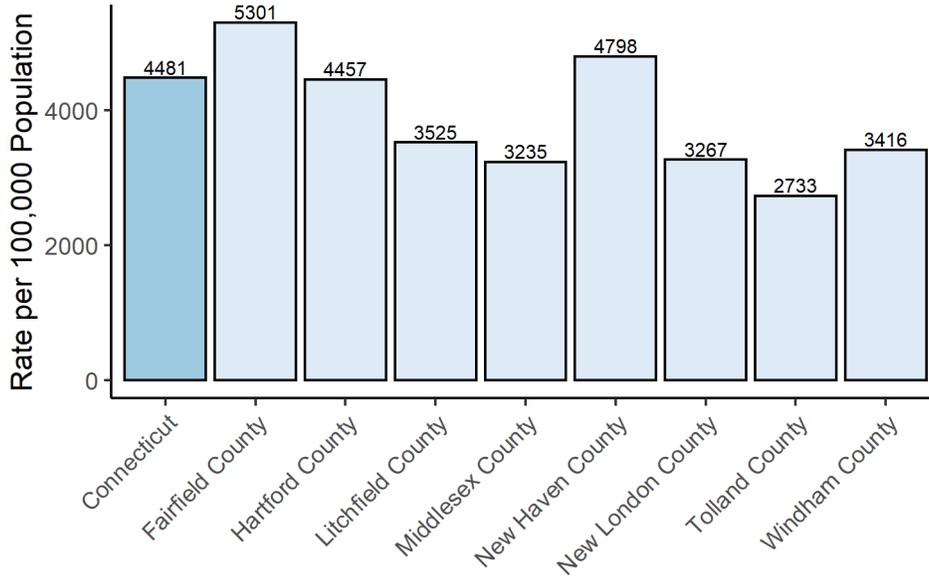
Table does not include 647 cases pending address validation

Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases	Town	Confirmed Cases	Probable Cases
Andover	63	3	Griswold	315	3	Prospect	399	24
Ansonia	891	71	Groton	1037	34	Putnam	217	5
Ashford	65	3	Guilford	451	35	Redding	195	18
Avon	441	21	Haddam	198	6	Ridgefield	561	70
Barkhamsted	68	3	Hamden	2589	197	Rocky Hill	863	40
Beacon Falls	213	12	Hampton	60	0	Roxbury	36	8
Berlin	656	39	Hartford	8510	257	Salem	90	0
Bethany	162	12	Hartland	29	0	Salisbury	64	2
Bethel	802	101	Harwinton	111	8	Scotland	8	0
Bethlehem	86	6	Hebron	203	9	Seymour	699	44
Bloomfield	1082	49	Kent	51	14	Sharon	44	0
Bolton	85	6	Killingly	572	10	Shelton	1713	145
Bozrah	63	0	Killingworth	111	3	Sherman	58	20
Branford	929	97	Lebanon	153	4	Simsbury	419	32
Bridgeport	10036	567	Ledyard	378	3	Somers	458	44
Bridgewater	36	5	Lisbon	104	1	South Windsor	674	32
Bristol	2390	119	Litchfield	172	12	Southbury	577	38
Brookfield	607	83	Lyme	34	2	Southington	1394	125
Brooklyn	334	8	Madison	428	29	Sprague	95	1
Burlington	192	6	Manchester	2136	121	Stafford	244	14
Canaan	5	0	Mansfield	675	86	Stamford	7824	376
Canterbury	129	3	Marlborough	199	14	Sterling	102	2
Canton	207	13	Meriden	3509	181	Stonington	357	12
Chaplin	44	2	Middlebury	282	25	Stratford	2241	196
Cheshire	850	50	Middlefield	111	6	Suffield	548	33
Chester	109	2	Middletown	1890	101	Thomaston	296	28
Clinton	354	11	Milford	1875	185	Thompson	187	4
Colchester	419	25	Monroe	560	40	Tolland	375	30
Colebrook	21	2	Montville	736	13	Torrington	1647	57
Columbia	113	2	Morris	60	2	Trumbull	1406	127
Cornwall	30	0	Naugatuck	1505	92	Union	13	1
Coventry	250	10	New Britain	4529	219	Vernon	866	62
Cromwell	530	33	New Canaan	588	37	Voluntown	53	0
Danbury	6626	693	New Fairfield	404	42	Wallingford	1999	107
Darien	555	52	New Hartford	150	5	Warren	8	2
Deep River	121	13	New Haven	6257	380	Washington	78	2
Derby	560	30	New London	1385	24	Waterbury	7417	511
Durham	211	20	New Milford	808	129	Waterford	705	24
East Granby	94	3	Newington	1221	66	Watertown	1012	86
East Haddam	161	7	Newtown	713	76	West Hartford	2151	170
East Hampton	290	14	Norfolk	39	1	West Haven	2450	203
East Hartford	3045	115	North Branford	405	58	Westbrook	177	13
East Haven	1154	184	North Canaan	104	5	Weston	228	25
East Lyme	511	24	North Haven	901	99	Westport	772	67
East Windsor	472	24	North Stonington	95	4	Wethersfield	1052	50
Eastford	32	1	Norwalk	5466	353	Willington	103	6
Easton	159	13	Norwich	1668	16	Wilton	501	57
Ellington	381	22	Old Lyme	122	2	Winchester	305	5
Enfield	1546	51	Old Saybrook	316	14	Windham	1428	14
Essex	160	8	Orange	402	47	Windsor	1356	67
Fairfield	2389	323	Oxford	342	17	Windsor Locks	402	13
Farmington	632	48	Plainfield	505	8	Wolcott	824	63
Franklin	78	0	Plainville	665	36	Woodbridge	256	29
Glastonbury	856	54	Plymouth	382	25	Woodbury	282	13
Goshen	67	3	Pomfret	92	0	Woodstock	161	2
Granby	197	12	Portland	259	14			
Greenwich	2016	135	Preston	124	2			

APPENDIX B. The following graphs show the number of cases per 100,000 Connecticut residents statewide and by county, age group, and gender. Population estimate from: [DPH Population Statistics](#)

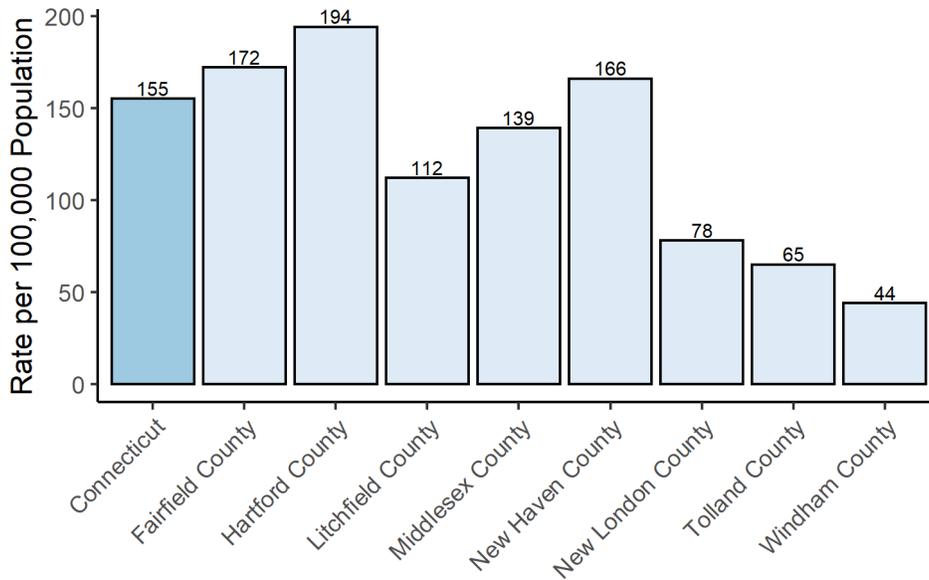
Rate of COVID-19 Cases Statewide and by County

As of 12/16/2020 at 8:30pm



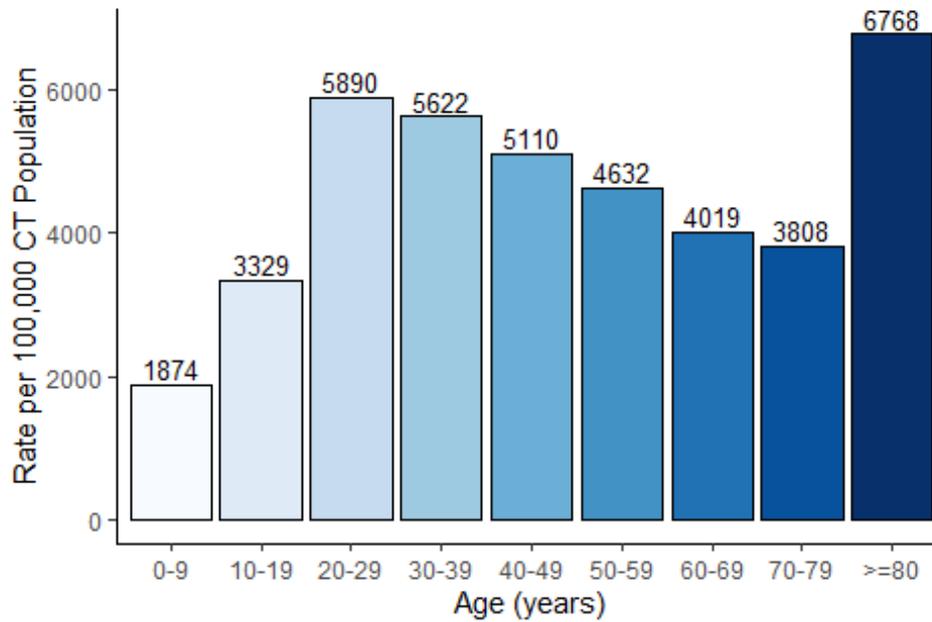
Rate of COVID-19-Associated Deaths Statewide and by County

As of 12/16/2020 at 8:30pm



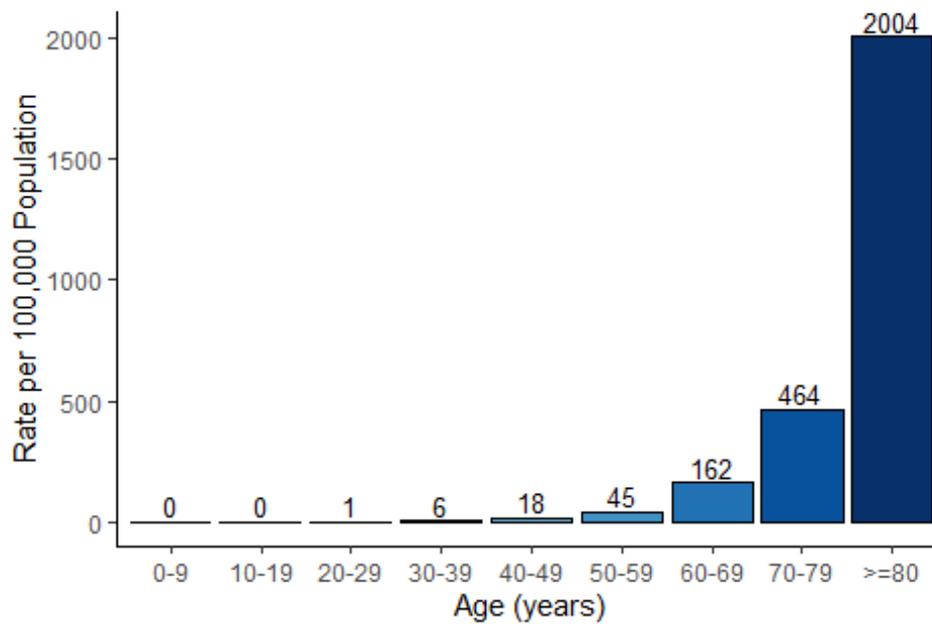
Rate of COVID-19 Cases by Age Group

As of 12/16/2020 at 8:30pm



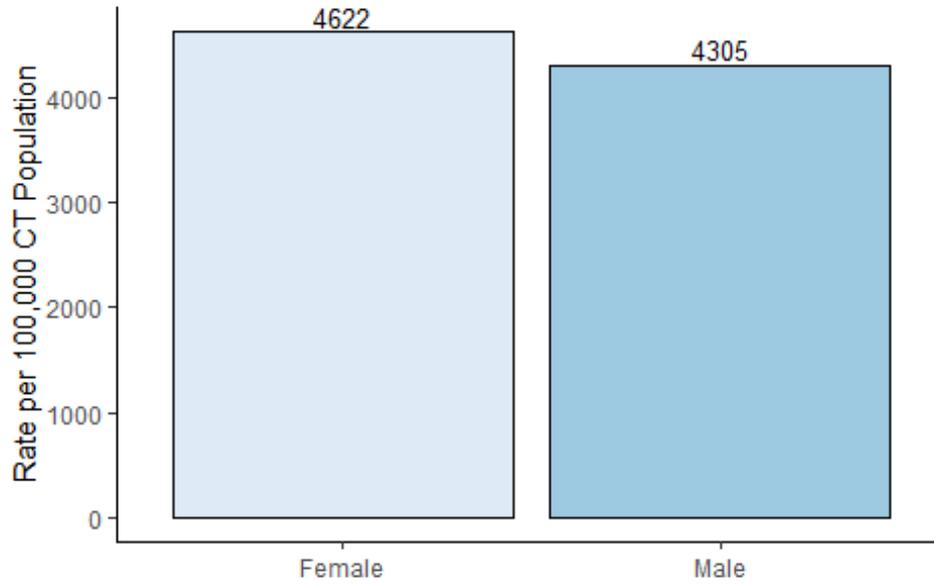
Rate of COVID-19-Associated Deaths by Age Group

As of 12/16/2020 at 8:30pm



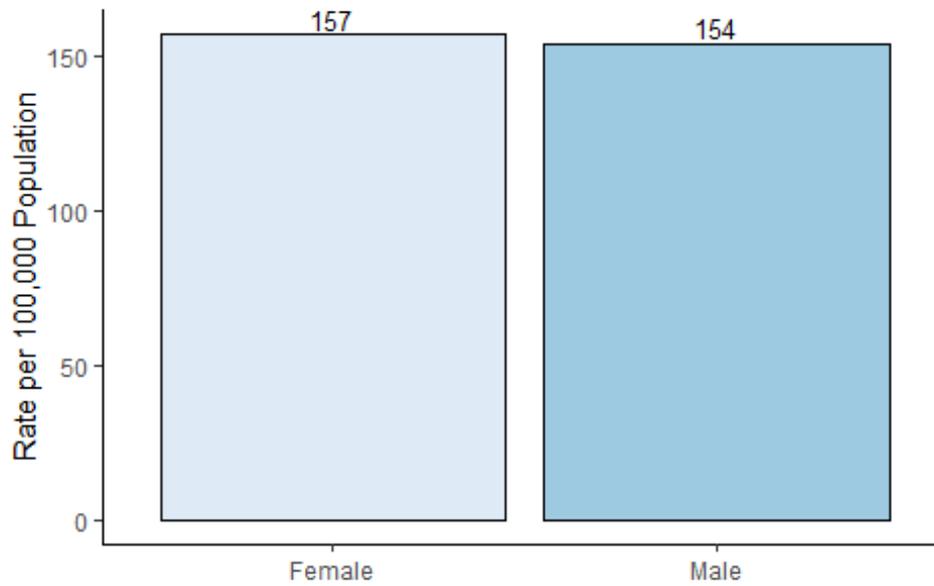
Rate of COVID-19 Cases by Gender

As of 12/16/2020 at 8:30pm

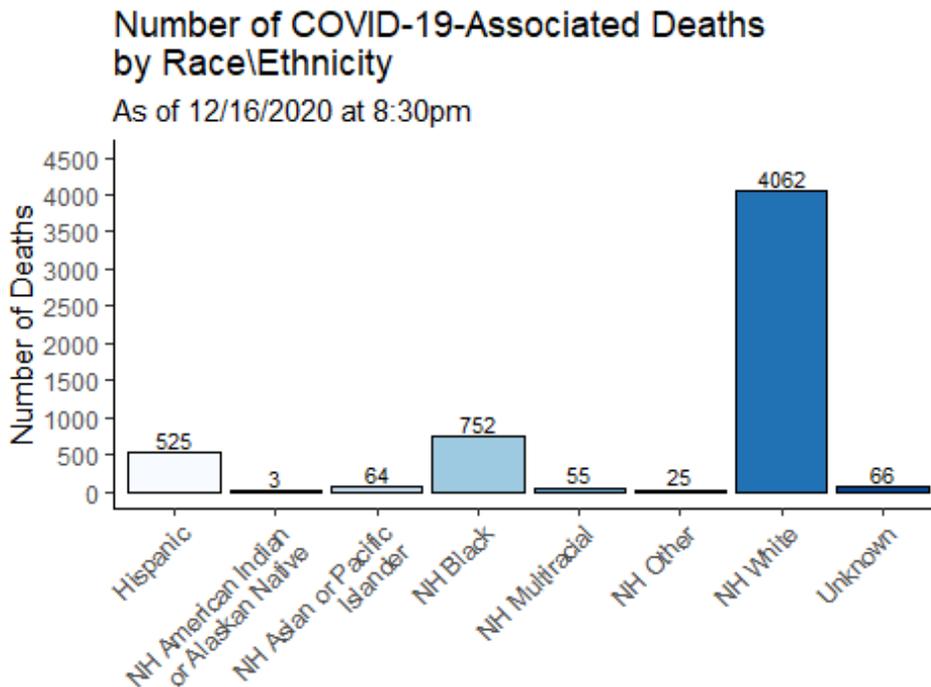
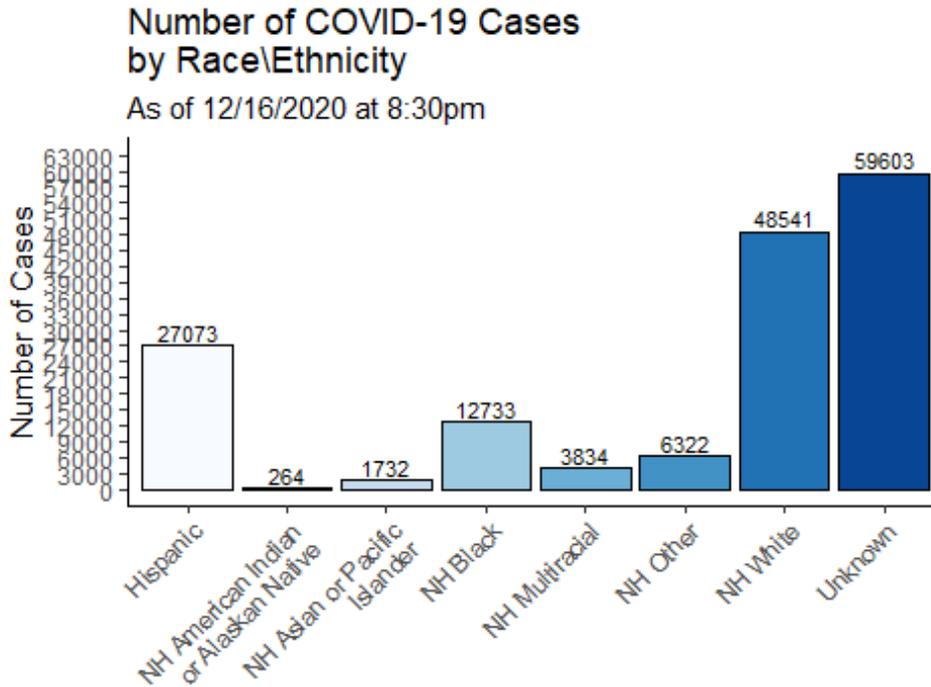


Rate of COVID-19-Associated Deaths by Gender

As of 12/16/2020 at 8:30pm

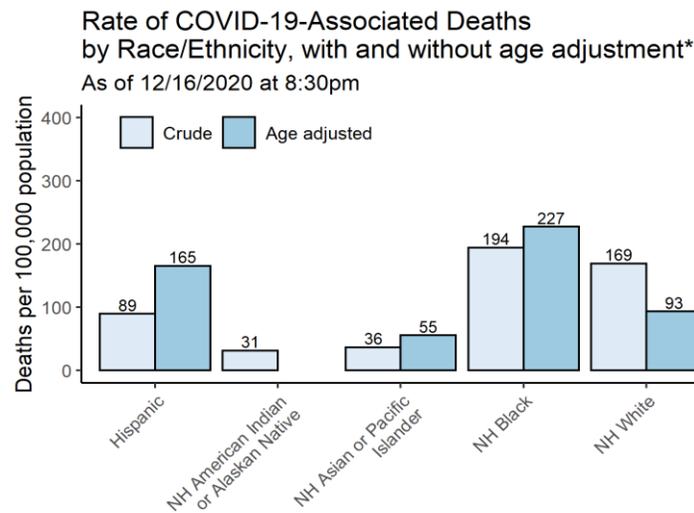
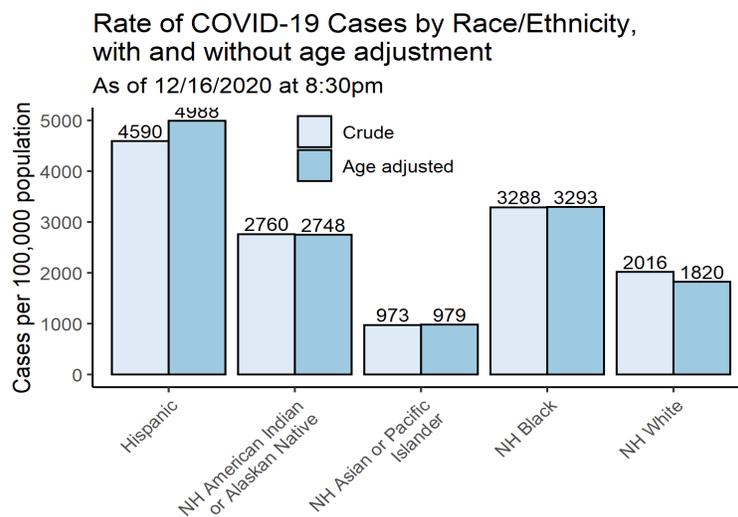


APPENDIX C. The following graphs show the number of cases and deaths by race and ethnicity. Categories are mutually exclusive. The category “multiracial” includes people who answered ‘yes’ to more than one race category. NH=Non-Hispanic



The following graphs show the number of COVID-19 cases and COVID-19-associated deaths per 100,000 population by race and ethnicity. Crude rates represent the total cases or deaths per 100,000 people. Age-adjusted rates consider the age of the person at diagnosis or death when estimating the rate and use a standardized population to provide a fair comparison between population groups with different age distributions. Age-adjustment is important in Connecticut as the median age of among the non-Hispanic white population is 47 years, whereas it is 34 years among non-Hispanic blacks, and 29 years among Hispanics. Because most non-Hispanic white residents who died were over 75 years of age, the age-adjusted rates are lower than the unadjusted rates. In contrast, Hispanic residents who died tend to be younger than 75 years of age which results in higher age-adjusted rates.

The 2018 Connecticut and 2000 US Standard Million populations were used for age adjustment; population estimates from: [DPH Population Statistics](#). Categories are mutually exclusive. Cases missing data on race/ethnicity are excluded from calculation of rates. NH=Non-Hispanic



*Age adjusted rates only calculated for groups with at least 30 deaths